

WHAT IS CLAIMED IS :

~~1. A method of manufacturing a liquid crystal display comprising the steps of:~~

forming a liquid crystal cell; and
heating the liquid crystal cell.

2. The method according to claim 1, wherein the step of forming a liquid crystal cell further comprises the steps of:

providing an upper substrate and a lower substrate;
forming an alignment layer on at least one of the upper and lower substrates;
forming a sealant on at least one of the upper and lower substrates;
laminating the upper and lower substrates; and
~~injecting a liquid crystal layer between the two substrates.~~

3. The method according to claim 1, wherein the heating step is performed at a temperature greater than about 100°C.

4. The method according to claim 1, wherein the heating step is performed at a temperature greater than about 150°C.

5. The method according to claim 1, wherein the heating step is performed at a temperature greater than about 170°C.

Sub C3
5 6. The method according to claim 2, wherein the alignment layer is made of polyimide.

7. The method according to claim 2, wherein the alignment layer is made of a photo-alignment material.

8. The method according to claim 1, further comprising the step of quickly cooling the liquid crystal cell.

Sub C4
10 9. The method according to claim 2, wherein the step of sealing further comprises the step of printing at least one of the substrates with a sealant.

15 10. The method according to claim 1, wherein the heating step is performed at a temperature that is less than a curing temperature of the sealant.

11. The method according to claim 7, wherein the photo-alignment material includes at least one of polysiloxane and cellulose cinnamate.

20 12. The method according to claim 1, wherein the heating step is performed at a temperature that is greater than about 10°C above a nematic-isotropic transition temperature.

Sub C5
25 13. The method according to claim 1, wherein the heating step is performed at a temperature which is substantially equal to a baking temperature

Sub
C5
end

of the alignment layer.

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A2

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~~14. A method of manufacturing a liquid crystal display comprising the steps of:~~

~~forming a liquid crystal cell including the steps of:~~

~~providing an upper substrate and a lower substrate;~~

~~forming an alignment layer on at least one of the upper and lower substrates;~~

~~forming a sealant on at least one of the upper and lower substrates;~~

~~laminating the upper and lower substrates;~~

~~injecting a liquid crystal layer between the two substrates; and~~

~~heating the liquid crystal cell.~~

15. The method according to claim 14, wherein the heating step is performed at a temperature that is less than a curing temperature of the sealant.

16. The method according to claim 14, wherein the heating step is performed at a temperature that is greater than about 10°C above a nematic-isotropic transition temperature.

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17. The method according to claim 14, wherein the heating step is performed at a temperature which is substantially equal to a baking temperature of the alignment layer.

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C7

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